



Las Vegas Fire & Rescue Fire Prevention Signage Requirements

The following guide was created to provide our customers a single point of reference for required signage related to fire protection systems and related equipment.

References - International Fire Code 2012 Edition

Southern Nevada International Fire Code 2012 Fire Code Amendments,

Las Vegas Fire & Rescue Fire Code Amendments, and associated Standards

Fire Alarm Control Panel	1.1
Fire Sprinkler Riser Room	1.2
Fire Department Connections	1.3
Fire Department Connection Pressures	1.3(a)
Fire Pumps and Piping	1.4
Fire Sprinkler Control Valves	1.5
Fire Sprinkler Calculation Plates	1.6
Fire Sprinkler General Information	1.7
Fire Sprinkler Spare head Cabinet	1.8
Hazard Identification Signs	1.9
Fire Department Access (Fire Lanes)	1.10
Photovoltaic System Marking	1.11

1.1 Fire Alarm Control Panel SN-IFC Section 907.1.4

**FIRE ALARM
CONTROL PANEL**

A "FIRE ALARM CONTROL PANEL" sign shall be provided in minimum 2" inch letter with a minimum $\frac{1}{2}$ stroke. The color of the letters shall be contrasting with respect to the background. The sign shall be provided on the door leading to the fire alarm control panel(s) unless otherwise approved by the *fire code official*.

1.2 Fire Riser Rooms SN-IFC Section 916.10

FIRE SPRINKLER RISER ROOM

A “FIRE SPRINKLER RISER ROOM” signage shall be provided in the exterior access door, signage shall state “Fire Sprinkler Riser Room” in a weatherproof contrasting color. Letters shall have a minimum height of 2 inches with a minimum stroke of 3/8 inch.

1.3 Fire Department Connections IFC Section 912.4

FIRE DEPARTMENT CONNECTION

FIRE DEPARTMENT STANDPIPE

FIRE PUMP TEST CONNECTION

A “FIRE DEPARTMENT CONNECTION”, “FIRE DEPARTMENT STANDPIPE”, “FIRE PUMP TEST CONNECTION” signs shall be provided of a minimum dimension of 24” (610mm) wide by 18 inches (457mm) high. Red letters on reflective white background with 3/8 inch red trim strip around the Entire outer edge of sign.

Note: Where the Fire Department Connection does not serve the entire building, a sign shall be provided indicating the portion of the building service

1.3 (a) Fire Department Connection Pressures NFPA 14 6.4.5.3

**FIRE DEPARTMENT CONNECTION
ROOF STANDPIPES
SYSTEM PRESSURE 215 PSI
STARTING ENGINE PRESSURE 165 PSI
MAXIMUM ENGINE PRESSURE 265 PSI**

Signs shall be provided at fire department connections; indicating the areas of the building served and the minimum required pressure and flow to be delivered through the inlets. Where a fire department connection services multiple buildings, structures, or locations, the sign shall indicate the buildings structures, or locations served.

1.4 Fire Pump Room and Piping IFC Section 509.1



**FIRE PUMP
ROOM**

Signage shall be provided in the exterior access door, signage shall state “FIRE PUMP ROOM” in a weatherproof contrasting color (as reflected). Letters shall have a minimum height of 2 inches with a minimum stroke of 3/8 inch. Valves shall be provided with appropriate signage as per NFPA 13

1.5 Fire Sprinkler Control Valves NFPA 13 Section 24.6



Signs as reflected shall be placed at each system control riser, antifreeze loop, and auxiliary system control valve, etc.

1.6 Fire Sprinkler Calculation Plates SNFC /NFPA 13 Section 24.5.1



A red rectangular sign with white text and input fields. The title 'HYDRAULIC-SYSTEM' is at the top. Below it is the statement 'This Building is Protected by a Hydraulically Designed Automatic Sprinkler System'. The sign contains several fields for information: Location, No. of Sprinklers, Basis of Design (with sub-fields for Density and Designed area of Discharge), System Demand (with sub-fields for GPM Discharge, Residual Pressure at the Base of the Riser, and Hose Stream Allowance).

HYDRAULIC-SYSTEM
This Building is Protected by
a Hydraulically Designed
Automatic Sprinkler System

Location

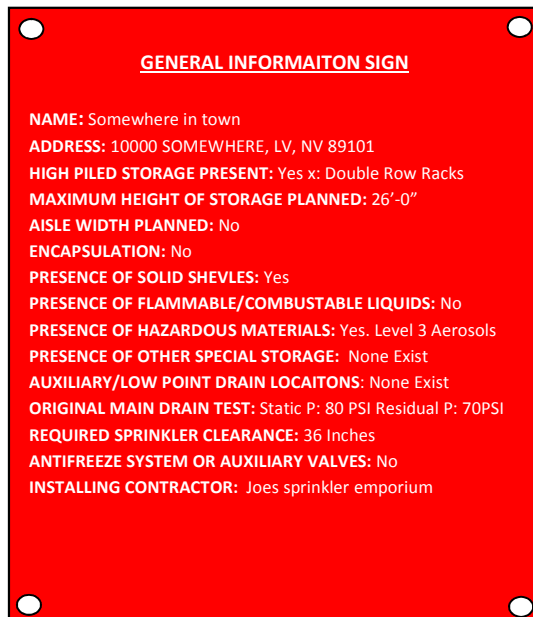
No. of Sprinklers

Basis of Design
1. Density GPM/SQ. FT
2. Designed area of Discharge SQ. FT

System Demand
1. GPM Discharge GPM
2. Residual Pressure at the
Base of the Riser PSI
3. Hose Stream Allowance GPM

The installing contractor shall identify a hydraulically designed sprinkler system with a machine engraved weatherproof metal, or rigid plastic sign with capitalized lettering a minimum 14 point (1/4 inch high) in Arial font secured to the riser it serves with corrosion resistant wire, chain, or other means approved by the AHJ. . Such signs shall be placed at the alarm valve, dry valve, preaction valve, or deluge valve supplying the corresponding hydraulically designed area. Signs located at the system riser shall be allowed to be combined with the general information sign described in 24.6

1.7 Fire Sprinkler General Information NFPA 13 Section 24.6.1 (see SNFC 24.6.6.1, 24.6.1.2)



A red rectangular sign with white text. The title 'GENERAL INFORMATION SIGN' is at the top. Below it is a list of fields for general information: NAME, ADDRESS, HIGH PILED STORAGE PRESENT, MAXIMUM HEIGHT OF STORAGE PLANNED, AISLE WIDTH PLANNED, ENCAPSULATION, PRESENCE OF SOLID SHELVES, PRESENCE OF FLAMMABLE/COMBUSTABLE LIQUIDS, PRESENCE OF HAZARDOUS MATERIALS, PRESENCE OF OTHER SPECIAL STORAGE, AUXILIARY/LOW POINT DRAIN LOCATIONS, ORIGINAL MAIN DRAIN TEST, REQUIRED SPRINKLER CLEARANCE, ANTIFREEZE SYSTEM OR AUXILIARY VALVES, and INSTALLING CONTRACTOR.

GENERAL INFORMATION SIGN

NAME: Somewhere in town
ADDRESS: 10000 SOMEWHERE, LV, NV 89101
HIGH PILED STORAGE PRESENT: Yes x: Double Row Racks
MAXIMUM HEIGHT OF STORAGE PLANNED: 26'-0"
AISLE WIDTH PLANNED: No
ENCAPSULATION: No
PRESENCE OF SOLID SHELVES: Yes
PRESENCE OF FLAMMABLE/COMBUSTABLE LIQUIDS: No
PRESENCE OF HAZARDOUS MATERIALS: Yes. Level 3 Aerosols
PRESENCE OF OTHER SPECIAL STORAGE: None Exist
AUXILIARY/LOW POINT DRAIN LOCATIONS: None Exist
ORIGINAL MAIN DRAIN TEST: Static P: 80 PSI Residual P: 70PSI
REQUIRED SPRINKLER CLEARANCE: 36 Inches
ANTIFREEZE SYSTEM OR AUXILIARY VALVES: No
INSTALLING CONTRACTOR: Joes sprinkler emporium

The installing contractor shall provide a general information sign used to determine system design basis and information relevant to the inspection, testing and maintenance requirements required by *NFPA 25, Standard for the inspection, testing, and maintenance of Water-Based Fire Protection Systems*.

*** Signs shall have a red background with White Lettering.**

1.8 Spare Sprinkler Cabinet Signage SN-IFC / NFPA 13 Section 6.2.9.7.1

Fire "B" Gone 1111 N Fire Sprinkler Way, LV NV 89101							
SIN #	Sprinkler Description	Orifice	Deflector	Temp	Pressure	Quantity	List Date
GL8106	GLOBE 8.1K QR REC	3/4	PEN	155	175	14	01-2012
TY9128	TYCO 25.2K SR EC	1"	UPR	155	175	120	01-2012
R7326	RELIABLE 11.2K SR EC	3/4	UPR	155	175	10	01-2012
V3607	VICTAULIC 8.0K SR DRY	1"	PEN	200	175	21	01-2012
FIRE PROTECTION SYSTEMS INC. 1234 HYDRO WAY LV,NV 89101							

The list shall be on a machine-engraved metal or rigid plastic sign with capitalized lettering a minimum 14 point (1/4 inch high) in Arial or similar font and include the following:

1. Sprinkler identification Number (SIN) of equipped; or the manufacture, model, orifice, deflector type, thermal sensitivity, and pressure rating
2. General description
3. Quantity of each type to be contained in the cabinet
- 4 Issue or revision date of the list.

1.9 Hazard Identification Signs – IFC Section 5003.5



Unless otherwise exempted by the fire code official, visible hazard identification signs as specified in NFPA 704 for the specific material contained shall be placed on stationary containers and above ground tanks and at entrances to locations where hazardous materials are stored, dispensed, used or handled in quantities requiring a permit and at specific entrances and locations designated by the fire code official.

1.10 Fire Department Access (Fire Lanes) IFC Appendix D



Type A: Minimum dimension of 24" (610mm) high by 18 inches (457 mm) wide. Red letters on a reflective white background with 3/8 inch red trim around entire outer edge of sign.



Type B: Minimum dimension of 24" (610mm) wide by 18 inches (457mm) high. Red letters on reflective white background with 3/8 inch red trim strip around the Entire outer edge of sign.

* Shall be used in conjunction with Type "C" signs



Type C: Minimum dimension of 36" (914mm) wide by 4 inches (101cm) high. White letters on red enamel background (*painted on curb*)

1.11 Photovoltaic systems – 605.11.1 Marking



The materials used for marking shall be reflective, weather resistant and suitable for the environment. Marking as required in Sections 601.11.1.2 through 605.11.1.4 shall have all letters capitalized with a minimum height of $\frac{3}{8}$ inch (9.5 mm) white on red background. Marking shall be placed on interior and exterior DC conduit, raceways, enclosures and cable assemblies every 10 feet (3048 mm), within 1 foot (305 mm) of turns or bends and within 1 foot (305 mm) above and below penetrations of roof/ceiling assemblies, walls or barriers

**PHOTOVOLTAIC
SERVICE DISCONNECT**

The materials used for marking shall be weather resistant and suitable for the environment. Marking as required in Sections 601.11.1.2 through 605.11.1.4 shall have all letters capitalized with a minimum height of 2" inch (51 mm) white on red background. Shall be placed adjacent to main service disconnect in a location clearly visible from the location where the disconnect is operated.

**PHOTOVOLTAIC
SYSTEM
DISCONNECT**



The materials used for marking shall be weather resistant and suitable for the environment. Marking as required in Sections 601.11.1.2 through 605.11.1.4 shall have all letters capitalized with a minimum height of 2" inch (51 mm) white on red background. Shall be placed near main service disconnect when PV disconnect is not clearly visible from the location where the disconnect is operated.

**PHOTOVOLTAIC
SYSTEM
DISCONNECT INSIDE**

The materials used for marking shall be weather resistant and suitable for the environment. Marking as required in Sections 601.11.1.2 through 605.11.1.4 shall have all letters capitalized with a minimum height of 2" inch (51 mm) white on red background. Shall be placed on door or gate when disconnect is located within an enclosed area.

**PHOTOVOLTAIC
SYSTEM SERVES
(ADDRESS)**

The materials used for marking shall be weather resistant and suitable for the environment. Marking as required in Sections 601.11.1.2 through 605.11.1.4 shall have all letters capitalized with a minimum height of 2" inch (51 mm) white on red background. Shall be placed on fence (for ground based arrays) or on carport (for carport based arrays) in an area clearly visible from the point of access.